


Aerocon Industries

We Are Best In Industry

Manufacturing Dealings, Distributing Quality.



Excellent Fluid
Handling Solutions

Excellent Fluid Handling Solutions :

Aerocon Industries offers comprehensive fluid handling solutions for various processes and application in several industries. Our extensive expertise in pumps, related products and fluid handling mechanism, our in-house engineering proficiency, well equipped facilities makes us one of the most competent organization to offer excellent fluid handling solutions in pocket friendly budget.

Pumps are most vital component equipments of any application and process for every industries and we offer various types of pumps suitable to the application based on our precise engineering and analysis.

Major Industries We Serve :



Pharma and Biotech



Dairy/Food/Beverages



Sugar and Refineries



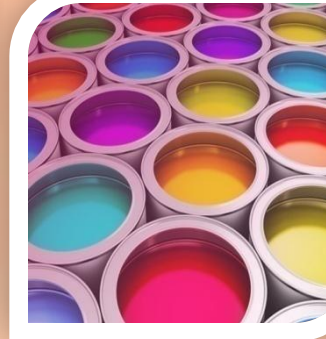
Automobile/Autocomps



Pulp & Paper



Chemicals



Paints/ Inks/ Adhesives



Energy & Heavy Ind

Centrifugal End-Suction Pumps for Process Fluids :

Versatile, reliable, flexible metallic centrifugal type back-pull-out pumps to suit variety of applications.

Features

Standard and modular design with high efficiency impeller providing outstanding hydraulic performance. Optimized volute design, high efficiency, minimal internal losses. Available in variety of material options like cast iron, stainless steel, duplex etc. to suit wide range of applications. Drive options with flameproof enclosure is available for hazardous zone applications, The pumps are more rigid, generate only minimal axial thrust and offer exemplary hydraulic characteristics. Low NPSH ensures that the pumps run quietly and smoothly for long durations.

Maximum operating reliability, optimum energy efficiency Back-pull-out designed end suction pumps. So reduced downtime, quick and easy assembly, maintenance cost. Gland packing, single or double mechanical sealing system of high quality to suit individual applications. Ready on offer is complete pump set with bare pump, drive, mechanical seal, base frame, coupling and coupling guard etc.

Applications

Process engineering Chemical industries Evaporators Sugar and refineries, sugar waste MEE and ATFD plants Biodiesel, bioethanol Condensate. Hot water Heat transfer media, Cleaning agents .Thermic fluid Steel industries Brine Petrochemical industries Reverse osmosis Pulp and paper Slightly contaminated process fluid Power material slurries Sludge and sewage Hot oil, edible oils Textile slurries Scrubber



Centrifugal Pumps for Water Applications : Applications

Centrifugal type pumps for clear water applications, versatile in nature, energy efficient.

Features

Standard and modular design with high efficiency impeller providing outstanding hydraulic performance.

Monobloc or back-pull-out design to suit wide range of applications.

Gland packed or with appropriate mechanical seals.

Available in variety of material options like cast iron, stainless steel, Bronze or stainless steel impeller. to suit wide range of applications.

Dynamically balanced rotating parts ensure minimum vibration during Running.

Trimmed impeller diameter is offered to optimum standard operating Point according to the requirement.

Cooling towers Clear water handling Firefighting water Drinking water applications Hot water transfer Heating / cooling industrial circuits Service water Irrigation Brackish water Condensate Effluent water etc. Food and beverages industries Domestic water supply Water treatment Pharma and biotech industries Manufacturing process Sealing water applications Air conditioning Utility water Booster service Storm water1



Multi-Stage Centrifugal Pumps :

Non-self-priming, high-efficiency multistage high-pressure centrifugal pump in vertical or horizontal design option of with in-line connections to suit the application perfectly.

Features

Reliable and service-friendly, space-saving, suitable for slightly aggressive liquids and are energy efficient.

Compact structure renders small size of pump; axial inlet and radial outlet.

Corrosion-resistant impellers, guide vanes and stage housings.

Flow and NPSH-optimized pump housing and corrosion-resistant impellers, guide vanes and stage housings

Pumps with various material of construction like stainless steel, with inlet/outlet cast iron, cast steel and various options of mechanical seals are available.

Applications

Water supply and pressure boosting Industrial circulation systems High pressure boiler feed Process water Fire extinguishing systems High Pressure Water Transfer Demineralization or DM plant Beverages, mineral water Cooling and air conditioning / HVAC CIP and SIP Water treatment and purification Plastic and rubber industries.

Chemical transfer applications Windmill cooling Manufacturing process Industrial cleaning High pressure domestic booster Raw water transfer in RO systems.

Heat exchangers, chillers Jockey high pressure fire fighting.



Self-Priming Pumps :

As the name suggests, the pumps do not need to be primed and are having negative suction used in several applications.

Features

Quick automatic self-priming action

Dynamically balanced rotating parts ensure minimum vibration. Automatic air release during priming.

Ability to handle liquids containing air or gas. Non-clogging impeller to handle suspended solids.

No need of foot valve or a vacuum pump or separate priming chamber. Easy repair and maintenance. Long life with performance. Various options of material of constructions available.

Applications

Chemicals, petrochemicals Effluents, sewage, ash water
Sewage pumping, civil constructions Water extraction, dewatering Irrigation and watering, etc. Cooling water
Ship building and marine applications General industry, pharmaceuticals.



Submersible Pumps :

Light weighted, compact design versatile, reliable, flexible
Submersible pumps are made to address specific needs of customers.

Features

High efficiency and energy saving design. Wet type submersible motor Water-cooled and water lubricated
Designed for underwater applications – No need of priming and foot valve Replaceable wearing parts and hence longer life, easy maintenance.

Applications

Agriculture Irrigation Water supply Effluents and waste water Raw sewage Storm water Contaminated effluent Saline water Drain water Industrial waste Sprinkler irrigation.

Domestic water supply to high rise- establishments

Clean water handling in industries Well, fountains, sumps, water tanks Borewell submersible pumps



Hygienic Stainless Steel Centrifugal Monobloc Pumps :

Sanitary designed stainless steel single stage monobloc pumps are extensively used in dairies, beverages, food processing, pharmaceutical industries and all sanitary applications to transfer the process fluid.

Features

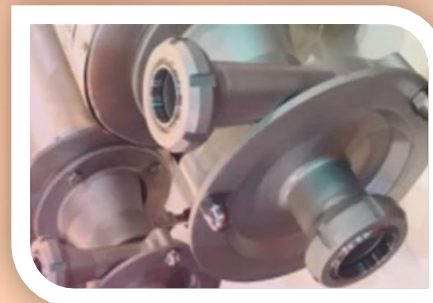
Entire product contact parts made of stainless steel and sanitary design create 100% hygienic pumping solutions. Can work effortlessly with low NPSHA. High efficiency, avoid less circulation, low energy consumption and minimum operating / maintenance cost.

Dynamically balanced open impellers ideal for hygienic Application.

Option Stainless steel grades of 304, 304L, 316, 316L as material of construction, connection of Union/TC/Flange, single or double mechanical sealed pump with seal cooling arrangement, drive with flameproof enclosure for hazardous area.

Applications

Milk pump – milk transfer pump Process fluids Evaporation / MEE plants Hot water, process water transfer Juices, fruit based drinks Beverages, Breweries, wineries Sugar syrup, sugared water Curd milk, paneer milk, hot/chilled milk Wort, whey, mash transfer Oil, food processing, Chemicals, specialty liquids Pharmaceuticals, biotechnology Water treatment, packaged water Bulk Milk Cooler, tanker unloading All sanitary applications



Shear Pumps :

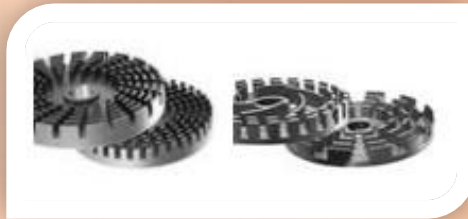
Pump for mixing application is having rotor stator design with shear teeth arranged to rotate a very less clearance creating high turbulence and superlative mixing effect.

Applications

Powder mixing system Curd churner, buttermilk Homogenous mixing application Ice cream mix preparation Replaces homogenizer Tomato ketchup.

Features

Improves product texture and reduces process time. With integrated impeller along with rotor stator teeth, product transfer with mixing. Low operation and maintenance cost. High quality mechanical seal design Sturdy construction



Liquid-Ring Pumps :

Liquid ring pumps are stainless steel hygienic self-priming pumps which work on side channel principle.

Features

Self-priming, so negative suction. Stable impeller and narrow sealing gaps ensure outstanding suction capacity. Optimizes the draining of residue in cleaning processes.

Applications

Powder mixing system CIP Return Liquid with air and gas Milk and milk products Beverages Sugar syrup, sugar mixing Complete evacuation of tanks

The new design permits economic pumping of high and gentle handling of the products. The non-contacting contra-rotating twin / Tri lobes is a unique design. High precision and close tolerances lead to narrow packed sealing gaps which permit minimum back flow with high level of efficiency. Low maintenance, durable, economical.

Optimum performance with high quality mechanical seal design Sturdy construction.



Progressive Cavity Screw Pumps :

The positive displacement progressive cavity pumps are compact, rugged, powerful applied in various industries.

Features

Positive displacement, smooth fluid discharge, accurate and repeatable continuous flow. Compression fit between rotor and stator for high volumetric and mechanical efficiency Works perfectly with low NPSHA, wide variation of NPSHA and temperature, high suction lift , also is self priming. Low shear and high suction lift. Non clogging, no retaining packets. Various material of construction options available including cast iron, cast steel, stainless steel grades 304 and 316 for pumps, rotors and stators of EPDM, nitrile, fluoroelastomer, natural rubber etc.
to suit the application appropriately.

Heavy duty transmission train. Low maintenance casing & bearing housing assembly.

Gland packing or mechanical sealing Non - pulsating metered flow for accurate process control.

Long life even handling abrasive fluids Vibration free quiet operation. Ready on offer is complete pump set with bare pump, drive, mechanical seal, base frame, coupling and coupling guard etc.

Applications

Waste water treatment Pulp and paper Sugar and refineries
Chemical Food processing Petroleum Building materials
Coal industry Pharmaceuticals Cosmetics Fruit pulp and canning
industry Ceramic industry Fertilizer Marine feed Dye stuff Cattle
Feed Mining feed Edible oil Paint, ink and varnish Sewage and
effluent treatment Textile processing plants Pharmaceutical
Breweries Gelatin and starch.



Gear Pumps :

Sturdy built positive displacement pumps primarily used for thick and highly viscous product transfer, also used to transfer thin less viscous fluids. Features. High volumetric efficiency with optimized rotor / gear shape and small and axial clearances, persisted performance. A combination of strong design with small or large clearances, unique gear tooth profile for low or highly viscous fluid transfer. Can work with low NPSHR, enhanced priming.

Minimum maintenance, maximized life span, less downtime and long service life. Large vertical ports reduces risk of cavitation. Prolonged seal and other components life.

Applications

Paint Ink Resins and adhesives Pulp and paper Acid, soap Sludge, Lime, latex Sugar Chocolates and cocoa butter Molasses, vegetable fats and oils Animal feeds Chemicals like sodium silicate Mixed chemicals Plastics Petrochemicals Pure or filled bitumen Diesel, crude oil, lube oil etc.



Premium Process Pumps :

One of the finest design and superlative quality the premium process pumps from the house of ITT Gould comes with long durability and life.

Features

Utilizing a modular design, the pump offers broad hydraulic coverage. Minimized the number of components for reduced maintenance and inventory. Long term reliability and performance for lower life cycle cost, so low total cost of ownership.

Heavy duty bearing frame, cyclone seal chamber, increased radial clearance maximizes seal life. Back pull out design, precision-cast enclosed impeller provides maximum efficiency and optimum NPSH performance.

Available in wide range of materials like stainless steel, duplex stainless steel, alloy 20, carbon steel, Hastelloy etc.

Applications

Chemical process application Industrial process fluids
Pharmaceuticals Petrochemicals Food industries Pulp
preparation Metal processing General industrial
applications Nuclear power plants Waste disposal Recycling
industries Water treatment plants.



Heavy duty models for high pressure and temperature available.

Q upto 450 m³/hr, H upto 150 M, Pressure upto 25 bar,
Temperature range from -40 °C to 280 °C.

Special Application Pumps :

We offer variety of pumps for special applications wide range of industries.



**Water Ring
Vacuum Pumps.**



**Plunger Type Dosing
Metering Pump.**



Oil Pumps



Piston Pumps



**Lube and Hydraulic
Pumps**



**Hand/Motor Operated
Barrel Pumps**

World-Class Non-Metallic PP/PVDF/PFA Centrifugal Pumps :

Our extremely well-built world class non-metallic pumps comes with various material of constructions like PP, PVDF, PFA etc. for handling corrosive and aggressive chemicals.

Tools like Siemens CAD and CAM softwares are used to develop all components. Superior manufacturing process and SCADA based testing in automated state-of-the-art pump test bench create the ultra efficient magnificent non-metallic pumps NK/NK-C Series Flagship Non-Metallic Chemical Pumps.

These series pumps are compact, high efficiency, for demanding budgets. They are best suited for circulation of chemical in metal finishing industries.

Standard PP Series

This series is excellently suited to pumping tasks in the chemical industry, electroplating plants, metallurgical industries, steel and stainless steel pickling lines, evaporation and regeneration units, wet flue gas cleaning systems downstream of waste incinerators as well as in exhaust air scrubbing and industrial waste water treatment.



PVDF/PFA Horizontal Pumps Standard Series :

The armoured pumps of the Standard PVDF series are designed to meet chemical process industry standards and are ideally suited to pumping chemicals and solvents posing an environmental or health hazard such as acids, alkalis, solvents or high value fluids with or without solids



AODD – Air Operated Double Diaphragm Pumps :

The armoured pumps of the Standard PVDF series are d

Features

Simplified structure – the main valve and air motor are in the modular structure. Easy to disassemble and maintain. Enhanced abrasion resistance , not affected by temperature variation.

The dual reversing system can assure working stability while maximizing efficiency.

Maintenance free due to the installation of high strength engineered plastic components Variety of material of construction options like stainless steel, PP, aluminium alloy, santoprene, viton, NBR, PTFE for sheet, ball and diaphragm material available for various applications.

Applications

Chemical production Cleaning agent Paint / dye Adhesives Printing ink Shear sensitive material Water supply Effluents and waste water Sewage / cycle / recovery Mixing and slush in coal mines Pharmaceuticals.

The food and drug material Supply and delivery of medicines Saline water Automobile industries Sealant, binder, solvent and paint Electroplating Solutions Electronics wastewater Strong acid and alkali of electronics Fluid filtration /waste water Treatment System flushing.



Repair, Servicing and Overhauling of Pumps :

With industry veterans having several years of expertise at our helm, we take up jobs of

Repair of pumps, pump parts, machining work for pumps
Parts Servicing of pumps at site or our workshop Overhauling
of functional or defunct pumps to working condition.

Advantages

Post repair support, troubleshooting over phone or person.
Saving cost of new pump replacement by repair, overhauling
Old pump, replacement of necessary spares and machining.



Pump Spare Parts :

Spare parts are very crucial for any maintenance department, and we make their life simple.

We keep stock of all general spares of all pumps
Shortest possible delivery of critical spares
Spare parts with pocket friendly price points.

Almost all spare like casing, cover, impeller, shaft, bearings, gaskets, couplings, rotor, stator, sleeve, nuts, bolts, base frames, motors, oil cups, lobes or any and all spares.



Mechanical Seals

We offer high quality Mechanical Seals for all pump types. Our seals are specially engineered, precisely manufactured with high end tools and machinery for long durability, sturdy nature and high performance



AMC – Annual Maintenance Contract for Pumps :

We undertake AMC – annual maintenance contracts for large and mid-scale set of pumps.

Periodic deployment of pump expert for pump checking
On time pump spare parts change
Maintenance of critical spares.

Replace, installation, assembly, disassembly now
trouble-free. Instant support through phone, video and
by person.

Advantages

Reduced cost on pumps
Tension free servicing and Maintenance.
One Point solution for all pumps issues
Cost effective. Service on board all the time. Experts on pumps. Repairable parts serviced. In-house Machining. Continuous observation. Low downtime, high productivity.



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